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PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

03141- P0338B

First Inventor

Yongdong Wang

Title Method And Apparatus For Impurity Detection

Express Mail Label No.

EL 574206972 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Commissioner for Patents
Mail Stop Patent Application
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **24**]
(preferred arrangement set forth below)
- Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims(s)
 - Abstract of the Disclosure
4. ☒ Drawings(s) (35 USC 113) [Total Sheets **7**]
5. ☐ Oath or Declaration [Total Pages **2**]
- a. ☐ New executed (original or copy)
- b. ☒ Copy from prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)

- b.: Specification Sequence Listing on:

- i. ☐ CD-ROM or CD-R (2 copies); or

- ii. ☐ paper

- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 of its equivalent.
17. ☐ Other.....

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part of prior application No.: 09/561,600

Prior application information: Examiner Group/Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number of Bar Code Label

24126

☒ Correspondence address below

Name

Wesley W. Whitmyer, Jr.

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Wesley W. Whitmyer, Jr.

Registration No. (Attorney/Agent)

33,558

Signature

Wesley W. Whitmyer, Jr.

Date

7/14/03

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce; P.O. Box 1450; Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop CPA; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450.

07/14/03
16623 U.S. PTO

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

Complete if Known

| | |
|------------------------|----------------------|
| Application No. | - Pending |
| Filing Date | July __, 2003 |
| First Named Inventor | Yongdong Wang |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket Number | 03141-P0338B WWW/DWA |

TOTAL AMOUNT OF PAYMENT (\$ 750.00

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:
- Deposit Account Number: 19-4516
- Deposit Account Name: St.Onge Steward Johnston & Reens LLC
- ☒ Charge Any Additional Fee Required Under CFR 1.16 and 1.17
Applicant claims small entity status. See 37 CFR 1.27
2. ☒ Payment Enclosed:
☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|------------|
| 101 | 750 | 201 | 375 | Utility filing fee | 750.00 |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 520 | 207 | 260 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$ 750.00 |

2. EXTRA CLAIMS FEES

| Total Claims | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|--------------------|-----------------|----------------|-----------------|--|----------|
| 12 | -20**= | 0 | X | 0 | 00 |
| 1 | -3**= | 0 | X | 0 | |
| Multiple Dependent | | | X | | |
| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
| 103 | 18 | 203 | 9 | Claims in excess of 20 | |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 | |
| 104 | 280 | 204 | 140 | Multiple dependent claims, if not paid | |
| 109 | 80 | 209 | 40 | ** Reissue independent claims over original patent | |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | (\$ 0.00 |

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------|-----------------|----------------|-----------------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing for or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840 | Requesting publication of SIR after Examiner Action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 410 | 216 | 205 | Extension for reply within second month | |
| 117 | 930 | 217 | 465 | Extension for reply within third month | |
| 118 | 1,450 | 218 | 725 | Extension for reply within fourth month | |
| 128 | 1,970 | 228 | 985 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,300 | 241 | 650 | Petition to revive - unintentional | |
| 142 | 1,300 | 242 | 650 | Utility issue fee (or reissue) | |
| 143 | 470 | 243 | 235 | Design issue fee | |
| 144 | 630 | 244 | 315 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 240 | 126 | 240 | Submission of Informational Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per Property (times number of properties) | |
| 146 | 750 | 246 | 375 | Filing a submission after final rejection (37CFR § 1.129(a)) | |
| 149 | 750 | 249 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 179 | 750 | 279 | 375 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) | | | | | |
| SUBTOTAL (3) | | | | | (\$ 0.00 |

* Reduced by Basic Filing Fee paid

SUBMITTED BY St.Onge Steward Johnston & Reens LLC

| | | | | | |
|-------------------|-------------------------|-----------------------------------|---------------|-----------|--------------|
| Name (Print Type) | Wesley W. Whitmyer, Jr. | Registration No. (Attorney/Agent) | 33,558 | Telephone | 203 324-6155 |
| Signature | | Date | July 14, 2003 | | |

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